

9 SEP 1933

# REPORT ON BOILERS.

No. 53537

-7 JUN 1933

Date of writing Report 19 When handed in at Local Office 1.6.33 Port of Glasgow  
 No. in Survey held at Annan. Date, First Survey 3/13/33 Last Survey 26/5/1933  
 Reg. Book. on the Boiler No 12463 (Number of Visits 7) Gross Tons Net Tons  
 Master Built at By whom built When built  
 Boilers made at Annan. By whom made Cochran & Co Annan Ltd When made 1933.  
 Owners Port belonging to

VERTICAL DONKEY BOILER— No. One Description Vert Mount. Manufacturers of steel Steel Co of Scotland  
 Made at Annan By whom made Cochran & Co When made 1933. Where fixed Working pressure 100  
 tested by hydraulic pressure to 200 Date of test 26/5/33. No. of Certificate 19332 Fire grate area 14 1/2 Description of safety valves Enclosed spring  
 No. of safety valves 2 Area of each 3.14 Pressure to which they are adjusted 100 lbs If fitted with easing gear Yes If steam from main boilers can  
 enter the donkey boiler No Diameter of donkey boiler 5-3 Length 11-9 Material of shell plates Steel Thickness 1/2 1/2  
 Range of tensile strength 28 to 32 Description of riveting long. seams Lap J.R. Diameter of rivet holes 2 1/2 Whether punched or  
 drilled drilled Pitch of rivets 2.59, 2 1/2, 2.65 Lap of plating 3/8 Per centage of strength of joint Rivets 4 1/2 Working pressure of shell by  
 plates 19.82 Thickness of shell crown plates 3/8 1/2 Radius of do. 2-7 1/2 No. of stays to do. Diameter of stays Diameter of  
 Top Bottom 4-6 Length of furnace Thickness of furnace side plates 1/2 Description of joint None Working  
 valves pressure of furnace by rules 153.485 Thickness of Ogee ring 1/2 Working pressure of Ogee ring by rules 103.485 Thickness of furnace  
 crown plates 1/2 Radius of do. 2-3 Stayed by Hemispherical Diameter of uptake 13 x 19 1/2 Thickness of uptake  
 plates 1/2 Thickness of tube plates front 1/2 back 1/2 Clean pitch of stay tubes in nest 10.7 Pitch in outer vertical rows 8  
 Diameter of tube holes FRONT stay 2 1/2 BACK stay 2 1/2 Working pressure of tube plates by rules 105.3110 Tubes: Material L.W. IRON.  
 External diameter stay 2 1/2 plain 2 1/2 Thickness stay 1/2 plain 1/2 No. of threads per inch 9 Pitch of tubes 3 1/2 x 4  
 Working pressure by rules 125.485 Manhole compensation: Size of opening in shell plate 16 x 12 Section of compensating  
 ring 6 x 5 1/2 No. of rivets and diameter of rivet holes 36 @ 3/2 Outer row pitch at ends 3 1/2

FOR COCHRAN & CO., ANNAN, LTD.  
 The foregoing is a correct description.

La Rex. Manufacturer.  
 GENERAL WORKS MANAGER

Dates During progress of work in shops— 1933. March 3-10-31. April 7-13-26 May 26 Drawing No. 19708.  
 Survey while building During erection on board vessel —  
 Total No. of visits 7

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The materials & workmanship are good. The boiler has been constructed under special survey to the order of Messrs David Rowan & Co for their contract No 939.

Burntisland Yard 7:178.

This boiler has been efficiently fitted on board the vessel, examined under steam & safety valves adjusted to 100 lbs. Thickness of anthers 5 1/32 3/32

B.R.S.

Shipp Survey Fee ... £ 4-4-0 When applied for 19  
 Travelling Expenses (if any) £ When received 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW 6 JUN 1933

15 SEP 1933

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

W1135-0221